

ABSTRACT

The present invention relates to the prevention and treatment of a disease, preferably brain cancer, by administration of an isolated DNA molecule comprising a gene encoding a protein having glycosyltransferase activity to a cell involved in the
5 disease which is preferably a glioblastoma cell. A method of treating brain cancer is provided in which a tumor cell is transfected either *ex vivo* or *in vivo* with a composition comprising a DNA molecule that encodes a protein having glycosyltransferase activity resulting in inhibition of the growth or function of that cell.